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MANUFACTURE OF PLASTIC POLARIZING LENS

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Abstract

PURPOSE: To manufacture a plastic polarizing lens at high efficiency by introducing a molten plastic into a cavity, in which a spherically premolded polarizing lens element has been placed, to form a plastic base layer fused monolithically to an adhesive surface of the lens element.

CONSTITUTION: A male metal mold 12 is disposed away from a female metal mold 11. A polarizing lens element 6 is suspended from a pin 16 and fitted loosely in a circular recess 11a. The male mold 12 is then pressed against the female mold 11 to hold therebetween a support member 5 for the polarizing lens element 6. A plastic material is introduced under pressure from a gate 15 into a spherical cavity formed by the circular recess 11a and a circular projection 12a. A curved portion of the polarizing lens element 6 can be moved floatingly to a small extent in the cavity mentioned above. Accordingly, the cavity is filled with the plastic material in such a manner that an adhesive surface of a transparent layer, i. e. the lens element 6 is covered smoothly with the plastic material.

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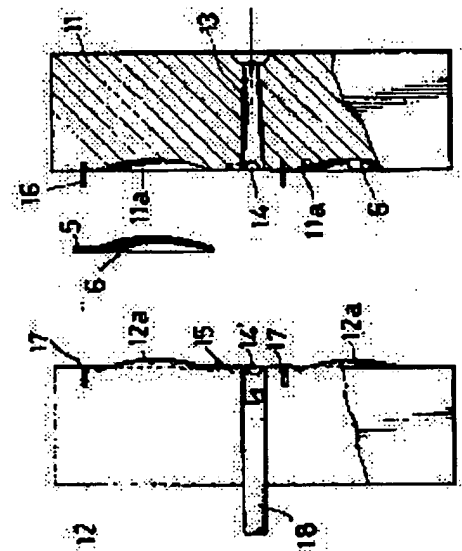
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